



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Croft III, et al.
SERIAL NO.: 10/055,821
FILED: Jan. 22, 2002
CONFIRM. NO.: 9519
FOR: SINGLE-ENDED PLANAR-
MAGNETIC SPEAKER
ART UNIT: 2644
DOCKET NO.: T9573.NP

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Technology Center 2600

CERTIFICATE OF DEPOSIT
UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, under 37 C.F.R. § 1.8 on the date indicated below and is addressed to Assistant Commissioner of Patents, Washington, D.C. 20231.


Clayton W. Thompson

13 May 2002
Date of Deposit

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). Applicant respectfully submits that this Information Disclosure Statement is filed pursuant to:

X 37 C.F.R. § 1.97 (b)(1) or (3), within three months of the filing date of the application, or before a first office action on the merits, whichever occurs last;

____ 37 C.F.R. § 1.97 (c), after a first office action on the merits, but before a Final Office Action or a Notice of Allowance, whichever occurs first, and is accompanied by either 1) a statement in accordance with 37 C.F.R. § 1.97(e), or 2) the fee set forth in § 1.17(p); or

____ 37 C.F.R. § 1.97 (d), after a Final Office Action or Notice of Allowance, whichever occurs first, but on or before payment of the issue fee, and is accompanied by both 1) a statement in accordance with 37 C.F.R. § 1.97(e), and 2) the fee set forth in § 1.17(p).

While no representation is made that any of these references may be "prior art" within the meaning of that term in accordance with 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the references listed, together with any other references which may have been previously submitted or listed, are the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

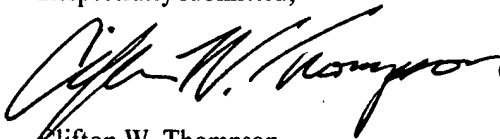
In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each listed reference (or relevant portion thereof) which was not previously submitted to, or cited by, the Patent Office is also enclosed.

For all listed references that are not either in the English language, or accompanied by a translation into English, a concise explanation of relevance as required under 37 C.F.R. § 1.98(a)(3) is enclosed attached to each.

Please charge any additional fees or credit any overpayment to Deposit Account No. 20-0100.

DATED this 13th day of May, 2002.

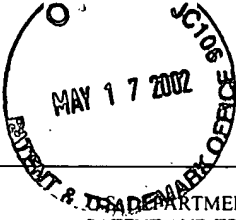
Respectfully submitted,



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Registration No. 36,947

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PTO-1449 DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF PRIOR ART CITED BY APPLICANT	ATTY. DOCKET NO. T9573.NP	SERIAL NO. 10/055,821
	APPLICANT Croft III et al	
	FILING DATE 1-22-02	GROUP

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U.S. PATENT DOCUMENTS

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	1,764,008	6/17/30	Crozier			
	AB	1,799,053	3/31/31	Mache			
	AC	1,809,754	6/9/31	Steedle			
	AD	1,951,669	3/20/34	Ramsey			
	AE	1,983,377	12/4/34	Kellogg			
	AF	2,461,344	2/8/49	Olson			
	AG	2,855,467	10/7/58	Curry			
	AH	2,935,575	5/3/60	Bobb			
	AI	2,975,243	3/14/61	Katella			
	AJ	2,975,307	1/2/58	Schroeder et al			
	AK	3,008,013	11/7/61	Williamson et al			
	AL	3,012,222	12/5/61	Hagemann			
	AM	3,136,867	6/9/64	Brettell			
	AN	3,141,071	7/14/64	Rich, S.R.			
	AO	3,345,469	10/3/67	Rod			
	AP	3,389,226	6/18/68	Peabody			
	AQ	3,398,810	8/27/68	Clark III			
	AR	3,654,403	4/4/72	Bobb, deceased			

FOREIGN PATENT DOCUMENT

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AS	H2-265400	10/30/90	Japan				
	AT	WO 01/08449	2/1/01	EP				
	AU	WO 01/52437	7/19/01	PCT				
	AV	WO 00/41492	7/20/00	PCT				
	AW							

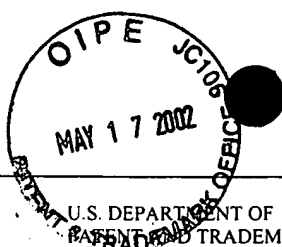
OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)

	AX	ULTRASONIC RANGING SYSTEM by Polaroid Corporation
	AY	PARAMETRIC LOUDSPEAKER - CHARACTERISTICS OF ACOUSTIC FIELD AND SUITABLE MODULATION OF CARRIER ULTRASOUND, Aoki, Kenichi, Kamakura, Tomoo and Kumamoto, Yoshiro, Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, pp. 76-82 (1991)
	AZ	PARAMETRIC ACOUSTIC NONDIRECTIONAL RADIATOR, Makarov, et al, Acustica, Vol. 77, pp. 240-242 (1992)

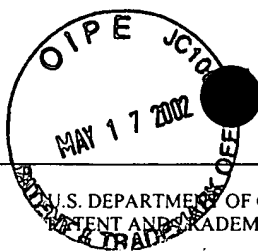
EXAMINER

DATE CONSIDERED

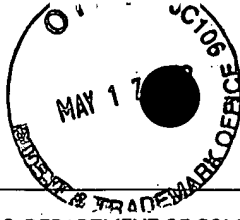
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance And not considered. Include copy of this form with next communication to Applicant.



PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. T9573.NP		SERIAL NO. 10/055,821	
LIST OF PRIOR ART CITED BY APPLICANT				APPLICANT Croft III et al			
				FILING DATE 1-22-02		GROUP	
				RECEIVED MAY 20 2002			
U.S. PATENT DOCUMENTS				Technology Center 2600			
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	3,674,946	7/4/72	Winey			
	BB	3,787,642	1/22/74	Young Jr.			
	BC	3,821,490	6/28/74	Bobb			
	BD	3,829,623	8/13/74	Willis et al			
	BE	3,833,771	9/3/74	Collinson			
	BF	3,836,951	9/17/74	Geren et al			
	BG	3,892,927	7/1/75	Lindenberg			
	BH	3,919,499	11/11/75	Winey			
	BI	3,941,946	3/2/76	Kawakami et al			
	BJ	3,997,739	12/14/76	Kishikawa et al			
	BK	3,922,504	11/25/75	Kishikawa et al			
	BL	4,056,742	11/1/77	Tibbetts			
	BM	4,064,375	12/20/77	Russell et al			
	BN	4,156,801	5/29/79	Whelan et al			
	BO	4,160,882	7/10/79	Driver			
	BP	4,207,571	6/10/80	Passey			
	BQ	4,210,786	7/1/80	Winey			
	BR	4,242,541	12/30/80	Ando			
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	BS						
	BT						
	BU						
	BV						
	BW						
OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)							
	BX	THE AUDIO SPOTLIGHT: AN APPLICATION OF NONLINEAR INTERACTION OF SOUND WAVES TO A NEW TYPE OF LOUDSPEAKER DESIGN, Yoneyama, et al, J. Acoustical Society of America 73(5), May 1983, pages 1532-1536					
	BY	ELECTROSTATIC LOUDSPEAKER DESIGN AND CONSTRUCTION, Chapters 4 and 5, pages 59-91, Wagner, Ronald, Audio Amateur Press Publishers, 1993					
	BZ						
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U.S. PATENT DOCUMENTS									
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	CA	4,245,136	1/13/81	Krauel, Jr.					
	CB	4,284,921	8/18/81	Lemonon et al					
	CC	4,289,936	9/15/81	Civitello					
	CD	4,295,214	10/13/81	Thompson					
	CE	4,378,596	3/29/83	Clark					
	CF	4,385,210	5/24/83	Marquiss					
	CG	4,418,404	11/29/83	Gordon et al					
	CH	4,419,545	12/6/83	Kuindersma					
	CI	4,429,193	1/31/84	Busch-Vishniac et al					
	CJ	4,434,327	2/28/84	Busch-Vishniac et al					
	CK	4,439,642	3/27/84	Reynard					
	CL	4,471,172	9/11/84	Winey					
	CM	4,480,155	10/30/84	Winey					
	CN	4,550,228	10/29/85	Walker et al					
	CO	4,558,184	12/10/85	Busch-Vishniac et al					
	CP	4,593,160	6/3/86	Nakamura					
	CQ	4,593,567	6/10/86	Isselstein et al					
	CR	4,672,591	6/9/87	Breimesser et al					
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	<u>TRANSLATION</u> YES NO		
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	CT								
	CU								
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OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc.)									
	CX								
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		APPLICANT Croft III et al					
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U.S. PATENT DOCUMENTS							
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	DA	4,695,986	9/22/87	Hossack			
	DB	4,751,419	6/14/88	Takahata			
	DC	4,803,733	2/7/89	Carver et al			
	DD	4,823,908	4/25/89	Tanaka et al			
	DE	4,837,838	6/6/89	Thigpen et al			
	DF	4,885,781	12/5/89	Seidel			
	DG	4,887,246	12/12/89	Hossack et al			
	DH	4,888,086	12/19/89	Hossack et al			
	DI	4,903,703	2/27/90	Igarashi et al			
	DJ	4,908,805	3/13/90	Sprenkels et al			
	DK	4,991,148	2/5/91	Gilchrist			
	DL	5,021,613	6/4/91	Garcia			
	DM	5,054,081	10/1/91	West			
	DN	5,142,511	8/25/92	Kanai et al			
	DO	5,153,859	10/6/92	Chatigny et al			
	DP	5,287,331	2/15/94	Shindel et al			
	DQ	5,357,578	10/18/94	Taniishi			
	DR	5,392,358	2/21/95	Driver			
FOREIGN PATENT DOCUMENT							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
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EXAMINER					DATE CONSIDERED		
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Sheet 5 of 5

PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. T9573.NP		SERIAL NO. 10/055,821		RECEIVED	
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EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
	EA	5,430,805	7/4/95	Stevenson et al					
	EB	5,487,114	1/23/96	Dinh					
	EC	5,638,456	6/10/97	Conley et al					
	ED	5,700,359	12/23/97	Bauer					
	EE	5,850,461	12/15/98	Zelinka					
	EF	5,901,235	5/4/99	Thigpen et al					
	EG	5,961,762	10/5/99	Zelinka et al					
	EH	6,188,772	2/13/01	Norris et al					
	EI								
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